



EUROPEAN COMMISSION

DIRECTORATE-GENERAL JRC
JOINT RESEARCH CENTRE
Institute for Transuranium Elements
J. Magill

Radioactivity, Radionuclides & Radiation - Computer-based Training Courses with Nuclides.net (18-19th September 2003)

Agenda:

Thursday 18th

9:00	Welcoming address	G. Lander	ITU Director
9:05	Overview of the Nuclides.net program suite	J. Magill	
9:35	Electronic Nuclide Charts & Nuclide Explorer	J. Magill	
10:05	DataSheets/FactSheets/Articles/Weblinks	V. Berthou	
Coffee 10:35			
10:50	Decay Calculations with Nuclides.net	J. Magill	
11:25	Dosimetry & Shielding with Nuclides.net	J. Galy	
12:00	Universal Nuclide Chart	V. Berthou	
Lunch 12:30			
14:00	CASE STUDY I: (Partitioning): Thorium Purification	J. Galy	
14:30	CASE STUDY II: (Dating): “Age” of Uranium Materials	A. Morgenstern	
Coffee 15:00			
15:15	CASE STUDY III: (Source Term Evaluation) Nuclear tests at Mururoa, RDDs	V. Berthou	
15:45	CASE STUDY IV: (Transmutation) Laser Transmutation of Iodine-129	J. Magill	
16:15	CASE STUDY V: (Transportation of radionuclides)	C. Brossard	
Departure to hotel 17:00			
Dinner at hotel 19:00			

Friday 19th

9:00	Installation of Nuclides.net	J. Galy	
9:30	Cross Sections/Fission Products & Yields	J. Galy	
10:00	Nuclide Mixtures: Decay and Shielding Calculations	J. Magill	
Coffee 10:30			
10:45	News/Forum/Search database	J. Galy	
11:15	Test		
Lunch 12:30			
14:00	Visit to ITU labs (MA lab, Pyro-processing, Environmental monitoring, Alpha-immunotherapy)	V. Berthou, D. Weichhold, J. Galy, J. Magill	
Coffee 15:45			
16:00	Final discussions, questionnaire / feedback	All	
17:00	End of Course		